resin to form a reinforcement having a percentage ratio by weight of resin to the non-twisted linear reinforcing elements of at most 50:50 and hardening of the resin.

22. The process according to claim 21, wherein said layer of non-twisted linear glass elements consists of glass strands.

23. The process according to claim 22, wherein the percentage weight ratio of resin to glass-strands is 33:66, and are in the form of a matting or bundles.

24. The process according to claim 21, wherein said slabs of stone material have a thickness no greater than 10 mm.

25. The process according to claim 24, wherein said slabs of stone material have a thickness between 6 to 8 mm.

26. The process according to claim 21, including inserting further linear reinforcing elements between said reinforcement layer and the rear face of the slab.

27. The process according to claim 26, wherein said further linear reinforcing elements are made of metal, and the metal is steel.

28. The process according to claim 26, including housing said further linear reinforcing elements in grooves or recesses formed in said rear face of the slab.

SUB B1

29. The process according to claim 27, wherein said grooves or recesses form a grid.

30. The process according to claim 27, including inserting, as said further linear reinforcing elements, laid down glass fiber yams between said reinforcement and the rear face of the slab linear and sealing the laid down glass fiber yams within said grooves or recesses.

31. The process according to claim 30, wherein said further linear reinforcing elements include rods or bars of extruded fibers of glass and resin.

SUB B2

32. The process according to claim 31, wherein said linear rods or barshave a diameter of 2 to 2.5 mm.

33. The process according to claim 31, wherein said rods or bars comprise

68% glass and 32% resin, the percentages being expressed by weight.

34. The process according to claim 21, wherein said ratio by weight between the resin and the glass reinforcing elements is 45:55.

35. The process according to claim 21, including hardening of the resin with a catalyst and/or the application of heat.

36. The process according to claim 27, wherein said further linear reinforcing members comprise four 4800 TEX (19.6 g/m) glass threads laid down within grooves formed in the slabs having a dimension of 3 to 4 mm. in depth.

37. The process according to claim 36, wherein said glass threads are non-twisted and have a linear dilatation coefficient of 8 to 9 x 10-6.

38. The process according to claim 26, wherein said glass threads are cylindrical and have a circular cross-section with a diameter between 2 to 2.5 mm., a linear dilatation coefficient of 7.5×10^{-6} and a glass content of 68 percent and resin content of 32 percent by weight. --

REMARKS:

Additional Claims were added, and while the Reissue Declaration does indicate the reasons for filing the Reissue Application, certain points should be noted.

Claims 1 to 20 of the original patent are being retained. The amended claims in this reissue application do not require that the rear substantially smooth face be free of grooves or recess. New claim 21 was broadened to include this feature. Also, reference is made to column 4, lines 10 to 28, which clearly sets forth experimental results comparing mechanical properties of a granite slab reinforced according to the invention and disclosure as originally filed in comparison with a granite slab without any or free of any rear reinforcement. Therefore, new claim 21 was also broadened to exclude the inclusion of a reinforcing layer between the coated non-twisted linear reinforcing elements and the rear face of the slab of stone material. Clearly, it is my opinion that my